Neurobiology

Volume Contents

Vol. 57, No. 1, October 2003

20-Hydroxyecdysone Inhibits the Mitotic Activity of Neuronal Precursors in the Developing Mushroom Bodies of the Honeybee, *Apis mellifera / 1 Dagmar Malun, Ariane D. Moseleit, and Bernd Grünewald*Published online 19 June 2003

Abelson Tyrosine Kinase Is Required to Transduce Midline Repulsive Cues / 15 Anita Hsouna, You-Seung Kim, and Mark F. A. VanBerkum
Published online 20 June 2003

Localization of Ganglioside 9-O-Acetyl GD3 in Point Contacts of Neuronal Growth Cones $\ /\ 31$

Erika M. A. Negreiros, Ana C. M. Leão, Marcelo F. Santiago, and Rosalia Mendez-Otero
Published online 23 June 2003

Sympathetic Neurons Synthesize and Secrete Pro-Nerve Growth Factor Protein / 38

Wohaib Hasan, Tetyana Pedchenko, Dora Krizsan-Agbas, Laura Baum, and Peter G. Smith
Published online 23 June 2003

S100 Immunoreactive Glial Cells in the Forebrain and Midbrain of the Lizard $\it Gallotia~galloti~during~Ontogeny~/~54$

María del Mar Romero-Alemán, Maximina Monzón-Mayor, Carmen Yanes, Juan Francisco Arbelo-Galván, Dirk Lang, Jaime Renau-Piqueras, and Ciro Negrín-Martínez Published online 28 July 2003

Aberrant Neuronal Connectivity in CHL1-Deficient Mice Is Associated with Altered Information Processing-Related Immediate Early Gene Expression / 67 Monique Montag-Sallaz, Andrea Baarke, and Dirk Montag
Published online 29 July 2003

Development of Midline Glial Populations at the Corticoseptal Boundary / 81 *Tianzhi Shu, Adam C. Puche, and Linda J. Richards*Published online 28 July 2003

Different Regulation of Purkinje Cell Dendritic Development in Cerebellar Slice Cultures by Protein Kinase C α and - β / 95

Anja Gundlfinger, Josef P. Kapfhammer, Friederike Kruse, Michael Leitges, and Friedrich Metzger
Published online 28 July 2003

Removal of Both Antennae Influences the Courtship and Aggressive Behaviors in Male Crickets $\,/\,\,110$

Shio Murakami and Masanori T. Itoh Published online 29 July 2003

Cover: Development of the glial wedge. From the article by Shu et al., on pages 81–94 of this issue.

Vol. 57, No. 2, November 2003

Seasonal Changes in Avian Song Control Circuits Do Not Cause Seasonal Changes in Song Discrimination in Song Sparrows / 119 Brendan J. Reeves, Michael D. Beecher, and Eliot A. Brenowitz

Published online 28 July 2003

Androgens and Estrogens Induce Seasonal-Like Growth of Song Nuclei in the Adult Songbird Brain $\,/\,$ 130

Anthony D. Tramontin, John C. Wingfield, and Eliot A. Brenowitz Published online 13 August 2003

Limits on Volume Changes in the Mushroom Bodies of the Honey Bee Brain $\ /\ 141$

Susan E. Fahrbach, Sarah M. Farris, Joseph P. Sullivan, and G. E. Robinson Published online 13 August 2003

Neural Correlates to Flight-Related Density-Dependent Phase Characteristics in Locusts / 152

E. Fuchs, W. Kutsch, and A. Ayali Published online 13 August 2003

Dehydroepiandrosterone Upregulates Neural Androgen Receptor Level and Transcriptional Activity / 163

Shi-Fang Lu, Qianxing Mo, Shan Hu, Carrie Garippa, and Neal G. Simon Published online 13 August 2003

Balance of Cell Proliferation and Death among Dynamic Populations: A Mathematical Model / 172

Michael W. Miller Published online 13 August 2003

Methylene Blue Blocks cGMP Production and Disrupts Directed Migration of Microglia to Nerve Lesions in the Leech CNS $\,$ / $\,$ 183

Yuanli Duan, Sharie J. Haugabook, Christie L. Sahley, and Kenneth J. Muller Published online 13 August 2003

Specification of Motoneuron Fate in *Drosophila*: Integration of Positive and Negative Transcription Factor Inputs by a Minimal eve Enhancer / 193 Jocelyn A. McDonald, Miki Fujioka, Joanne P. Odden, James B. Jaynes, and Chris Q. Doe
Published online 9 September 2003

Rapid Electrical and Delayed Molecular Signals Regulate the Serum Response Element after Nerve Injury: Convergence of Injury and Learning Signals / 204 Hana Lin, Jianxin Bao, Ju-Sung Ying, Edgar T. Walters, and Richard T. Ambron Published online 9 September 2003

Neuromuscular Activity Impairs Axonal Sprouting in Partially Denervated Muscles by Inhibiting Bridge Formation of Perisynaptic Schwann Cells / 221 S. L. Tam and T. Gordon
Published online 9 September 2003

Cover: Desert locust (*Schistocerca gregaria*) nymphs demonstrating the extreme morphological differences between the density-dependent phases (left, crowded reared; green on the right, solitary). From the article by Fuchs et al., on pages 152–162.

Vol. 57, No. 3, December 2003

Two Zebrafish Mutants, ebony and ivory, Uncover Benefits of Neighborhood on Photoreceptor Survival / 235

Paul Goldsmith, Herwig Baier, and William A. Harris

Published online 9 September 2003

Age-Related Differences in Synaptic Plasticity following Muscle Unloading / 246 Michael R. Deschenes and Meredith H. Wilson
Published online 9 September 2003

Newly Proliferated Cells in the Adult Male Amygdala Are Affected by Gonadal Steroid Hormones / 257

Christie D. Fowler, Marc E. Freeman, and Zuoxin Wang

Published online 16 September 2003

Vestibular Schwann Cells Are a Distinct Subpopulation of Peripheral Glia with Specific Sensitivity to Growth Factors and Extracellular Matrix Components / 270

Sylvain Bartolami, Christelle Augé, Cécile Travo, Stéphanie Ventéo, Marlies Knipper, and Alain Sans

Published online 26 September 2003

Gain-of-Function Screen Identifies a Role of the Src64 Oncogene in Drosophila Mushroom Body Development / 291

Maryse Nicolaï, Christelle Lasbleiz, and Jean-Maurice Dura Published online 26 September 2003

Serotonin Patterns Locomotor Network Activity in the Developing Zebrafish by Modulating Quiescent Periods $/\ 303$

Edna Brustein, Mabel Chong, Bo Holmqvist, and Pierre Drapeau Published online 26 September 2003